

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for initiating uplink signaling by a UE receiving a multimedia multicast/broadcast service (MBMS), the method comprising steps of:

(a) receiving over a MBMS control channel information including an indication indicating one of UE counting and ~~establishment of a point-to-point channel used by the MBMS over a MBMS control channel~~ point-to-point channel being used as MBMS channel type in a cell providing mobile communication service to the UE;

(b) in case a UE is in IDLE mode upon receiving the information including the received indication, transmitting, by the UE, an uplink signaling message including a request for an RRC (Radio Resource Control) Connection establishment and constructed using the received indication; and

(c) receiving, by the UE, a response message in response to the uplink signaling message;

wherein if the received indication indicates UE counting, the uplink signaling message includes reason informaton indicating that one reason for including the request in the uplink signaling message is due to consideration of UE counting;

wherein if the received indication indicates point-to-point channel being used as MBMS channel type in the cell, the uplink signaling message includes reason informaton indicating that one reason for including the request in the uplink signaling message is due to consideraton of point-to-point channel being used as MBMS channel type in the cell, and the response message received by the UE includes configuration information allowing the UE to configure a point-to-point channel for receiving MBMS services in the cell.

2. (Canceled)

3. (Currently Amended) The method according to claim 1, wherein step (b) further comprises:

in case the UE is in CELL_FACH, CELL_PCH, or URA_PCH mode upon receiving the information including the received indication, transmitting, by the UE, an uplink signaling message including a request for a Cell Update and constructed using the received indication.

4. (Previously Presented) The method according to claim 3, wherein said uplink signaling message for a Cell Update comprises a Cell Update message.

5. (Canceled)

6. (Previously Presented) The method according to claim 1, said uplink signaling message for an RRC Connection establishment comprises an RRC Connection Request message.

7. (Previously Presented) The method according to claim 4, wherein a value for a field named "Reason for cell update" included in the Cell Update message is set as "For MBMS channel parameters".

8. (Previously Presented) The method according to claim 4, wherein a value for a field named "Reason for cell update" in the Cell Update message is set as "For MBMS PtP mode".

9. (Previously Presented) The method according to claim 4, wherein a value for a field named "Reason for cell update" in the Cell Update message is set as "For MBMS UE counting".

10. (Previously Presented) The method according to claim 6, wherein a value for a field named "Reason for connection establishment" in the RRC Connection Request message is set as "MBMS channel parameter".

11. (Previously Presented) The method according to claim 6, wherein a value for a field named "Reason for connection establishment" in the RRC Connection Request message is set as "MBMS PtP mode".

12. (Previously Presented) The method according to claim 6, wherein a value for a field named "Reason for connection Establishment" in the RRC Connection Request message is set as "For MBMS UE counting".

13. (Canceled)

14. (Previously Presented) The method according to claim 3, further comprising:

sending a Radio Link Establishment Request message by a SRNC to a DRNC if an Iur interface exists and a reason for cell update included in said uplink signaling message is set as "For MBMS PtP mode".

15. (Previously Presented) The method according to claim 14, further comprising:

adding the UE into a context of the MBMS by the DRNC by adding a number of participating UEs by 1 after receiving the Radio Link Establishment Request message, and if the increase of the number of participating UEs makes a channel type of the MBMS change from PtP to PtM, the DRNC sending a Radio Link Establishment Failure message to the SRNC.

16. (Previously Presented) The method according to claim 3, further comprising:

keeping the UE in CELL_FACH state and sending a Common Transport Channel Resource Initialization message to the DRNC by the SRNC if the Iur interface exists and the SRNC knows that a destination cell under the DRNC uses PtM as the channel type of the MBMS.

17. (Currently Amended) A multimedia multicast/broadcast service (MBMS) user equipment (UE) for initiating uplink signaling, the UE comprising:

a receiver for receiving over an MBMS control channel information including an indication indicating one of UE counting and ~~establishment of a point-to-point channel used by the MBMS over the MBMS control channel~~ point-to-point channel being used as MBMS channel type in a cell providing mobile communication service to the UE, and for receiving a response message in response to an uplink signaling message; and

a transmitter for, in case the UE is in IDLE mode upon receiving the information including the received indication, transmitting the uplink signaling message including a request for an RRC (Radio Resource Control) Connection establishment and constructed using the received indication;

wherein if the received indication indicates UE counting, the uplink signaling message includes reason informaton indicating that one reason for including the request in the uplink signaling message is due to consideration of UE counting;

wherein if the received indication indicates point-to-point channel being used as MBMS channel type in the cell, the uplink signaling message includes reason informaton indicating that one reason for including the request in the uplink signaling message is due to consideraton of point-to-point channel being used as MBMS channel type in the cell, and the response message received by the UE includes configuration information allowing the UE to configure a point-to-point channel for receiving MBMS services in the cell.

18. (Currently Amended) The UE according to claim 17, wherein the transmitter, in case the UE is in CELL_FACH, CELL_PCH, or URA_PCH mode

upon receiving the information including the received indication, transmits the uplink signaling message including a request for a Cell Update using the received indication.

19. (Canceled)

20. (Previously Presented) The UE according to claim 18, wherein the uplink signaling message for a Cell Update includes a cause corresponding to the received indication.

21. – 22. (Canceled)